



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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5/23/02  
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MAY 21 2002  
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Applicant: MICHEAL L. GRUENBERG

Serial No.: 08/700,565

Filed: July 25, 1996

For: AUTOLOGOUS IMMUNE CELL  
THERAPY: CELL COMPOSITIONS,  
METHODS AND APPLICATIONS TO  
TREATMENT OF HUMAN DISEASE

Art Unit: 1644

Examiner: Schwadron, R

I hereby certify that this paper and the attached  
papers are being deposited with the United  
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Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202, on this date.

05/14/02  
Date

Stephanie Seidman

**RESPONSE**

Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

Responsive to the Office Communication, mailed May 03, 2002, please  
amend the application as follows:

**IN THE CLAIMS:**

Please replace claim 211 with amended claim 211 as follows:

211. (Amended) A method for generating immune cells for autologous  
cellular immunotherapy, comprising:

collecting leukocyte containing material from a mammal;

differentiating the leukocytes into Th1 cells;

and

exposing the leukocyte-containing material to mitogenic monoclonal  
antibodies to induce *in vitro* cell proliferation sufficient for infusion into the  
mammal for use in an immunotherapy treatment, wherein the *in vitro* cell  
proliferation is produced without the use of exogenous interleukin-2.